

## Patent Abstracts of Japan

PUBLICATION NUMBER : 09126095  
PUBLICATION DATE : 13-05-97

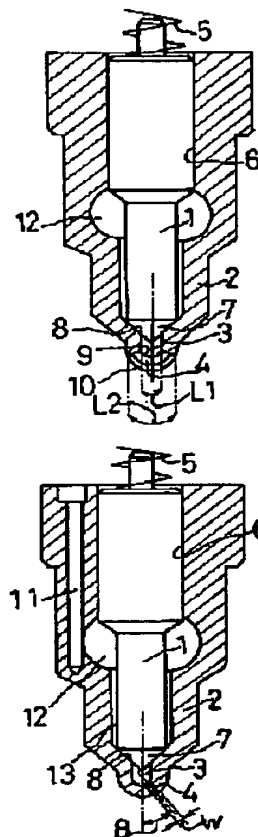
APPLICATION DATE : 31-10-95  
APPLICATION NUMBER : 07308309

APPLICANT : TOYOTA CENTRAL RES & DEV LAB  
INC;

INVENTOR : SAITO AKINORI;

INT.CL. : F02M 61/18 F02M 61/18

TITLE : FUEL INJECTION VALVE



ABSTRACT : PROBLEM TO BE SOLVED: To improve the spray angle, diffusion of spray, and atomization of a fuel injection valve, and to realize appropriate penetration of spray.

SOLUTION: A slit-shaped injection nozzle is in the range of 0-90° in the angle  $\beta$  in the opening direction relative to the axis of a fuel injection valve relative to a longitudinal wall part extending from an inner end 9 to an outer end 10, and formed expanded outward of the place to connect the axis of the fuel injection valve and the inner end 9, and the width W of the inner end 9 is in the range of 0.05-0.24mm to promote atomization of spray.

COPYRIGHT: (C)1997,JPO

BEST AVAILABLE COPY